










PROCESS FOR PRODUCING WEAKLY AGGLOMERATED NANOSCALAR PARTICLES

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Abstract of WO9634829

A process for producing weakly agglomerated, compacted and/or crystallised nanoscalar particles is characterised in that either (a) a suspension containing amorphous or partially crystalline, nanoscalar particles is prepared in the usual way from precursors of the nanoscalar particles in a solvent that is unable or hardly able to dissolve the particles and in the presence of at least one surface-blocking substance, or (a) an already prepared powder of amorphous or partially crystalline nanoscalar particles is suspended in the solvent described in (a) in the presence of the surface-blocking substance described in (a), or (c) a sol containing amorphous or partially crystalline nanoscalar particles is suspended in the solvent described in (a) in the presence of the surface-blocking substance described in (a). The thus produced suspension is then processed in conditions that cause the nanoscalar particles to be compacted and/or to crystallise.

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